

Data Path : Z:\VOASRV\HPCHEM1\MSVOA U\DATA\VU061219\
 Data File : VU032654.D
 Acq On : 12 Jun 2019 16:04
 Operator : JC/SP
 Sample : VSTDCCC050
 Misc : 5.0mL/MSVOA U/WATER
 ALS Vial : 19 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 VSTD05047

Quant Time: Jun 13 05:06:25 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_U\METHOD\SOMULM060619WMA.M
 Quant Title : VOC Analysis
 QLast Update : Thu Jun 13 05:01:06 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.88	114	169690	50.00	ug/L	0.00
28) Chlorobenzene-d5	9.09	117	166166	50.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.48	152	90714	50.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.40	65	47254	42.92	ug/L	0.00
Spiked Amount	50.000	Range	60 - 135	Recovery	=	85.84%
7) Chloroethane-d5	1.68	69	39540	44.69	ug/L	0.00
Spiked Amount	50.000	Range	70 - 130	Recovery	=	89.38%
11) 1,1-Dichloroethene-d2	2.27	63	99029	45.94	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	91.88%
21) 2-Butanone-d5	4.17	46	95154	103.28	ug/L	0.00
Spiked Amount	100.000	Range	40 - 130	Recovery	=	103.28%
24) Chloroform-d	4.64	84	104854	51.07	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.14%
26) 1,2-Dichloroethane-d4	5.31	65	66384	51.32	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	102.64%
32) Benzene-d6	5.33	84	192184	44.55	ug/L	0.00
Spiked Amount	50.000	Range	70 - 125	Recovery	=	89.10%
36) 1,2-Dichloropropane-d6	6.32	67	63646	47.05	ug/L	0.00
Spiked Amount	50.000	Range	70 - 120	Recovery	=	94.10%
41) Toluene-d8	7.56	98	180824	44.21	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	88.42%
43) trans-1,3-Dichloropropene-	7.85	79	31374	48.47	ug/L	0.00
Spiked Amount	50.000	Range	60 - 125	Recovery	=	96.94%
47) 2-Hexanone-d5	8.31	63	67179	102.39	ug/L	0.00
Spiked Amount	100.000	Range	45 - 130	Recovery	=	102.39%
57) 1,1,2,2-Tetrachloroethane-	10.43	84	99041	50.53	ug/L	0.00
Spiked Amount	50.000	Range	65 - 120	Recovery	=	101.06%
64) 1,2-Dichlorobenzene-d4	11.85	152	80678	46.43	ug/L	0.00
Spiked Amount	50.000	Range	80 - 120	Recovery	=	92.86%

Target Compounds

					Ovalue
2) Dichlorodifluoromethane	1.20	85	79108	51.712	ug/L 99
3) Chloromethane	1.32	50	71225	48.183	ug/L 99
5) Vinyl chloride	1.40	62	71564	48.464	ug/L 100
6) Bromomethane	1.62	94	39366	44.736	ug/L 98
8) Chloroethane	1.69	64	42845	48.814	ug/L 96
9) Trichlorofluoromethane	1.88	101	104583	52.451	ug/L 97
10) 1,1,2-Trichloro-1,2,2-trif	2.28	101	57678	55.620	ug/L 99
12) 1,1-Dichloroethene	2.28	96	53532	53.165	ug/L 81
13) Acetone	2.32	43	87962	92.530	ug/L 99
14) Carbon disulfide	2.47	76	151192	49.419	ug/L 99
15) Methyl Acetate	2.61	43	73158	53.900	ug/L 100
16) Methylene chloride	2.69	84	62159	54.102	ug/L 98
17) trans-1,2-Dichloroethene	2.98	96	57033	52.271	ug/L 97
18) Methyl tert-butyl Ether	2.99	73	184124	51.365	ug/L 98
19) 1,1-Dichloroethane	3.44	63	107575	54.082	ug/L 99
20) cis-1,2-Dichloroethene	4.22	96	63594	51.500	ug/L 95
22) 2-Butanone	4.25	43	113962	101.431	ug/L 97

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Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.54	128	33812	52.662	ug/L	96
25) Chloroform	4.67	83	110530	53.848	ug/L	99
27) 1,2-Dichloroethane	5.40	62	89622	55.231	ug/L	100
29) Cyclohexane	4.99	56	95937	48.540	ug/L	99
30) 1,1,1-Trichloroethane	4.91	97	97265	51.707	ug/L	97
31) Carbon tetrachloride	5.13	117	88692	51.444	ug/L	100
33) Benzene	5.38	78	236900	50.742	ug/L	100
34) Trichloroethene	6.18	95	64975	51.154	ug/L	98
35) Methylcyclohexane	6.41	83	101301	49.264	ug/L	99
37) 1,2-Dichloropropane	6.43	63	64557	52.162	ug/L	100
38) Bromodichloromethane	6.75	83	86018	53.978	ug/L	99
39) cis-1,3-Dichloropropene	7.26	75	101613	52.038	ug/L	99
40) 4-Methyl-2-pentanone	7.45	43	205840	103.383	ug/L	98
42) Toluene	7.63	91	259581	50.768	ug/L	99
44) trans-1,3-Dichloropropene	7.87	75	90628	52.290	ug/L	100
45) 1,1,2-Trichloroethane	8.06	97	61492	52.542	ug/L	100
46) Tetrachloroethene	8.22	164	53338	50.843	ug/L	97
48) 2-Hexanone	8.36	43	162767	99.531	ug/L	99
49) Dibromochloromethane	8.47	129	73533	54.055	ug/L	99
50) 1,2-Dibromoethane	8.58	107	67380	51.149	ug/L	100
51) Chlorobenzene	9.12	112	168445	51.134	ug/L	99
52) Ethylbenzene	9.24	91	289469	50.790	ug/L	100
53) m,p-Xylene	9.37	106	109695	50.617	ug/L	96
54) o-xylene	9.77	106	107011	49.732	ug/L	97
55) Styrene	9.79	104	185760	51.712	ug/L	99
56) Isopropylbenzene	10.16	105	286828	50.552	ug/L	99
58) 1,1,2,2-Tetrachloroethane	10.45	83	103524	51.755	ug/L	98
59) 1,2,3-Trichloropropane	10.49	75	84329	52.415	ug/L	100
61) Bromoform	9.95	173	55972	51.752	ug/L	97
62) 1,3-Dichlorobenzene	11.41	146	137193	49.989	ug/L	99
63) 1,4-Dichlorobenzene	11.50	146	139455	49.702	ug/L	99
65) 1,2-Dichlorobenzene	11.87	146	139862	50.406	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.65	75	24768	53.055	ug/L	94
67) 1,3,5-Trichlorobenzene	12.88	180	110952	51.962	ug/L	98
68) 1,2,4-trichlorobenzene	13.50	180	99524	55.018	ug/L	99
69) Naphthalene	13.74	128	292048	51.184	ug/L	100
70) 1,2,3-Trichlorobenzene	13.98	180	102341	54.361	ug/L	99

(#) = qualifier out of range (m) = manual integration (+) = signals summed

